

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/051307

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 A61K31/4745 A61P25/00 A61P15/00 A61P3/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/051877 A (PERNERSTORFER JOSEF ;BAYER AG (DE); BURKHARDT NILS (DE); NIEWOEHNNE) 26 June 2003 (2003-06-26) examples	1-20
Y	WO 03/014117 A (ERGUEDEN JENS-KERIM ;FLUBACHER DIETMAR (DE); NIEWOEHNNE MARIA HF () 20 February 2003 (2003-02-20) cited in the application examples	1-20
Y	WO 03/014116 A (ERGUEDEN JENS-KERIM ;FLUBACHER DIETMAR (DE); STOLTEFUSS JURGEN (DE) 20 February 2003 (2003-02-20) cited in the application examples	1-20
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

27 October 2004

Date of mailing of the international search report

15/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Fazzi, R

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/48144 A (ERGUEDEN JENS-KERIM ; FLUBACHER DIETMAR (DE); NIEWOEHNER ULRICH (DE) 20 June 2002 (2002-06-20) examples	1-20
Y	US 5 965 575 A (MILLAN MARK ET AL) 12 October 1999 (1999-10-12) column 1 - column 2	1-20
A	DIAZ M. ET AL.: "Synthesis of Lamellarins I and K by '3+2' Cycloaddition of a Nitrone to an Alkyne" SYNLETT, vol. 7, 2001, pages 1164-1166, XP001155819 page 1165	1-20
A	MEYER H: "HETEROCYCLLEN AUS NITROALKENEN, I.-//PYRROLE DURCH CYCLISIERENDE MICHAEL-ADDITION VON ENAMINEN//HETEROCYCLES FROM NITROALKENES, I.- PYRROLES VIA MICHAEL ADDITION OF ENAMINES" LIEBIGS ANNALEN DER CHEMIE, VERLAG CHEMIE GMBH. WEINHEIM, DE, no. 9, 1981, pages 1534-1544, XP001068958 ISSN: 0170-2041 example 9	1-20
A	HERSHENSON: "Synthesis of Ring-Fused Pyrroles. II. 1,3-Dipolar Cycloaddition Reactions of Munchnone Derivatives Obtained from Tetrahydroisoquinoline-1-carboxylic Acids" J.ORG.CHEM., vol. 40, no. 6, 1975, XP002302597 examples 6-8	1-20

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 18-20 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051307

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03051877	A	26-06-2003	WO 03051877 A1	26-06-2003
WO 03014117	A	20-02-2003	WO 03014115 A1 WO 03014117 A1	20-02-2003 20-02-2003
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WO 0248144	A	20-06-2002	AU 2798502 A CA 2431326 A1 WO 0248144 A1 EP 1347973 A1 JP 2004517843 T US 2004138249 A1	24-06-2002 20-06-2002 20-06-2002 01-10-2003 17-06-2004 15-07-2004
US 5965575	A	12-10-1999	FR 2761358 A1 AT 268767 T AU 731018 B2 AU 5967798 A BR 9803295 A CA 2232116 A1 CN 1197072 A ,B DE 69824332 D1 DK 867436 T3 EP 0867436 A1 HK 1014954 A1 JP 10279578 A NO 981415 A NZ 330041 A PL 325575 A1 ZA 9802607 A	02-10-1998 15-06-2004 22-03-2001 01-10-1998 21-03-2000 27-09-1998 28-10-1998 15-07-2004 04-10-2004 30-09-1998 10-01-2003 20-10-1998 28-09-1998 28-01-1999 28-09-1998 30-09-1998